

Bugs

- ☒ Binding problems (pictures)
- ☒ Location changed bug --> List didn't update
- ☐ 1h update doesn't work properly
 - ☐ confirm button doesn't load data, if data is not available in db and needs to be downloaded

ToDo

- ☒ Start with `Database-Manager`
 - ☒ Create database for weather info
 - ☒ Try to Create
 - ☒ Save weather info into database
 - ☒ change the format of datetime to `yyyy-MM-dd HH:mm:ss`
 - ☒ change all `,` with `.` while saving, because DB is working with `.` !
 - ☒ Helper Class, `WeatherToDisplay`
 - ☒ try out SELECT, INSERT, UPDATE, ... commands
 - ☒ get MAXIMUM from maxtemperature
 - ☒ get MINIMUM temperature from mintemperature
 - ☒ get AVERAGE temperature of a day
 - ☒ get MOST FREQUENT weathertype `weatherdescription`
 - ☒ delete duplicate cities (just leave the first one) `citylist`
 - ☒ Foreign Keys (citylist) (how to CREATE TABLE ... FOREIGN KEY ... as ... `)
 - ☒ how to read SELECTed content in C# `DataType` (see previous WFFST-Project)
 - ☒ UPDATE if exists in DataBase
- ☐ Finish `API-Manager` (should be static, but for now it's not a static class)
 - ☒ Exceptions for different errors

Log

08-04-2022 - Friday

- [Organizational] organising project folder/files/ ... on gitlab
- [Organizational] <https://openweathermap.org/weather-conditions#Weather-Condition-Codes-2> ... Icons for different weather

13-04-2022 - Wednesday (Easter Holidays)

- [Python Script] Installed Pycharm -> Convert Cities (JSON-File) to SQLite-File -> Try to req.
- [Python Script] Converting into SQLite-File --> \2h

14-04-2022 - Thursday (Easter Holidays)

- [WeatherInfoModel] Model for weather information `weatherInfoModel` --> \1/2h
- [API-Manager] Start with `API-Manager` --> \1/2h

15-04-2022 - Friday (Easter Holidays --> nothing on this day)

22-04-2022 - Friday

- [JSONModel] JSON Converter --> <https://github.com/kerminator-dev/WeatherWidget/blob/main/src/WeatherWidget/WeatherWidget/Models/JSON/OpenWeatherJSON.cs> change code to my needs \2h
- [WeatherInfoListModel] Model for weather information `weatherInfoListModel`
- TO DO: Pflichtenheft, UI-Entwürfe, Aufteilung Arbeitspakete, Klassendiagramme, ER-Diagramme

till 02.05 --> per E-Mail

23-04-2022 - Saturday

- [API-Manager, JSONModel] Working on API-Manager, JSON-Converter

29-04-2022 - Friday

- [Organizational] finishing `Pflichtenheft.md`, documentation `LogBookMikail.md` --> \2h
- [WeatherInfoModel] update on `weatherInfoModel` --> \1/4h (String for wind direction)

30-04-2022 - Saturday

- [Organisation] documentation: ER-Diagram, Class-Diagram --> \2h
- [API-Manager] work on exceptions for different errors --> \2h
 - Try and Catch
- [DataBaseManager] new Branch, new Class --> \1/4h
 - [DataBaseManager] Save into DataBase (try, not final) --> \1,5h

06-05-2022 - Friday

- [DataBaseManager]
 - first steps for CRUD (Remove, Insert, Update, ...) --> \2h

08-05-2022 - Saturday

- Merged DataBase (citylist and weatherinfo) together --> \ 1/2h

12-05-2022 - Thursday

- [DataBaseManager]
 - got MIN, MAX, AVERAGE, MOST FREQUENT weather--> \ 2 h

13-05-2022 - Friday

- ill (visiting the doctor) --> 1h

- [Organizational] asked a few questions about the project --> \1/2h
- [DataBase] deleted duplicate cities --> \1/2h
- [DataBaseManagerModel] changed FOREIGN KEYS --> \1/2h

14-05-2022 - Saturday

- new Classes [WeatherToDisplayListModel, WeatherToDisplayModel] --> 1/2h
 - is going to be binded by UI
- [DataBaseManagerModel] UPDATE and INSERT INTO --> \2 1/2h
 - Add new values and update present values
 - check if exists -> update
 - if not --> insert
 - Added new feature for receiving a list of cities, which starts with specific letters

20-05-2022 - Friday

- normal lesson --> \0h

21-05-2022 - Saturday

- [DataBaseManagerModel] Load, Code improvements
 - Load data from DB --> \4h
 - prettied some code --> \1/2h
- [WeatherToDisplayList] save loaded data into this list --> \1/2h
- [WeatherToDisplay] added windspeed (forgotten to add it)
- [main] merged
- [Organizational] documentation --> \1/2h
- [Bugfix] Icons on UI, Location problems --> \1/2h

22-05-2022 - Sunday

- [Organizational] documentation -->\1/2h
 - [UPDATE] Class diagrams
 - [UPDATE] ER diagram